

Claims

1. A magnetic pole for magnetic levitation vehicles having a core (301) and a winding (314) applied on it, characterized in that said winding (314) has at least two discs (315, 316) formed by conductor strips (306) wound in several layers (1....300) around said core (301), that the individual layers (1....300) are electrically insulated radially against each other and against said core (301) by first insulation layers (310, 321), and that said discs (315, 316) are electrically insulated axially against each other by at least a second insulation layer (317).
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2. A magnetic pole according to Claim 1, characterized in that the conductor strips (306) are wound in opposite sense of winding around the core (301) and electrically connected to each other at said core (301) by way of a connecting line (318).
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3. A magnetic pole according to Claim 2, characterized in that the radial outermost layers (150, 300) are provided with electrical connections (319, 320).
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4. A magnetic pole according to any of the preceding Claims 1 to 3, characterized in that the two discs (315, 316) substantially have the same number of layers (1 to 150 and/or 151 to 300).
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5. A magnetic pole according to any of the preceding Claims 3 or 4, characterized in that the second insulation layer (317) has a continuous thickness that is chosen depending on the voltage maximally occurring between two layers of both discs (315, 316).
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6. A magnetic pole according to any of the preceding Claims 1 to 5, characterized in that the radially innermost layers (1, 151) of said discs (315, 316) are electrically insulated against said core (301) by way of an insulation layer (321) wound around said core (301).